



Qloud Cover Spreadsheet – Installation Guide

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servicedesk@stretch.dk



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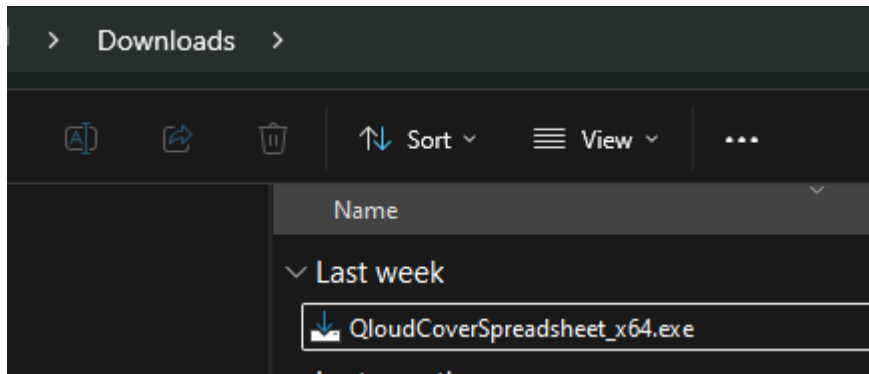
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Introduction

This Guide is designed to give a walkthrough of how to install and get started using Qloud Cover Spreadsheet.

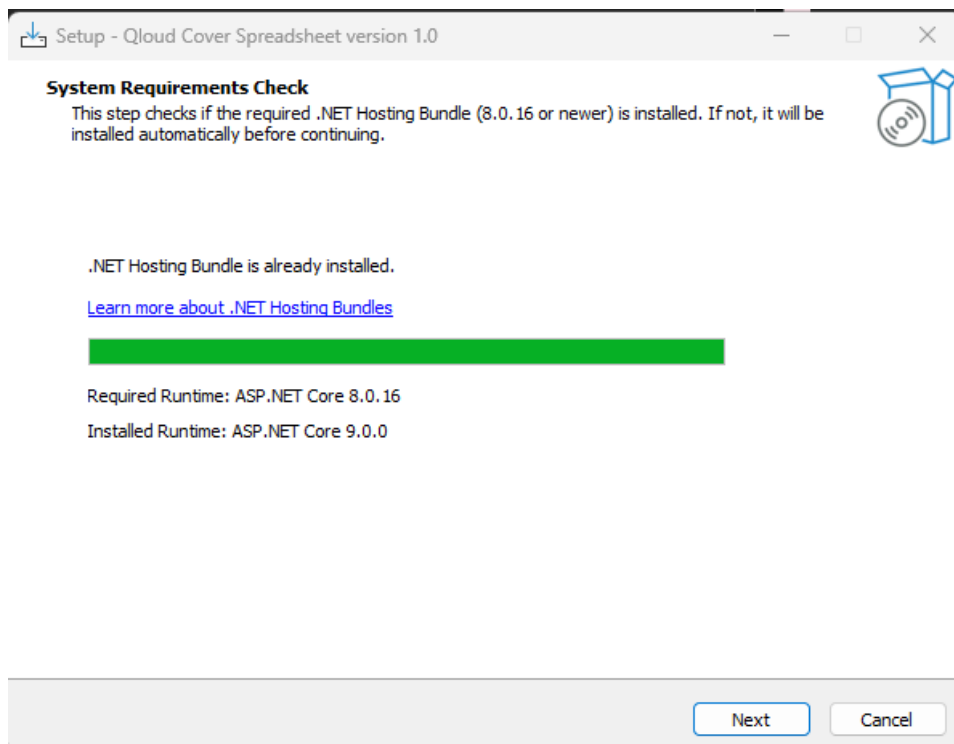
Installation Guide

Step 1: Run installer as Administrator



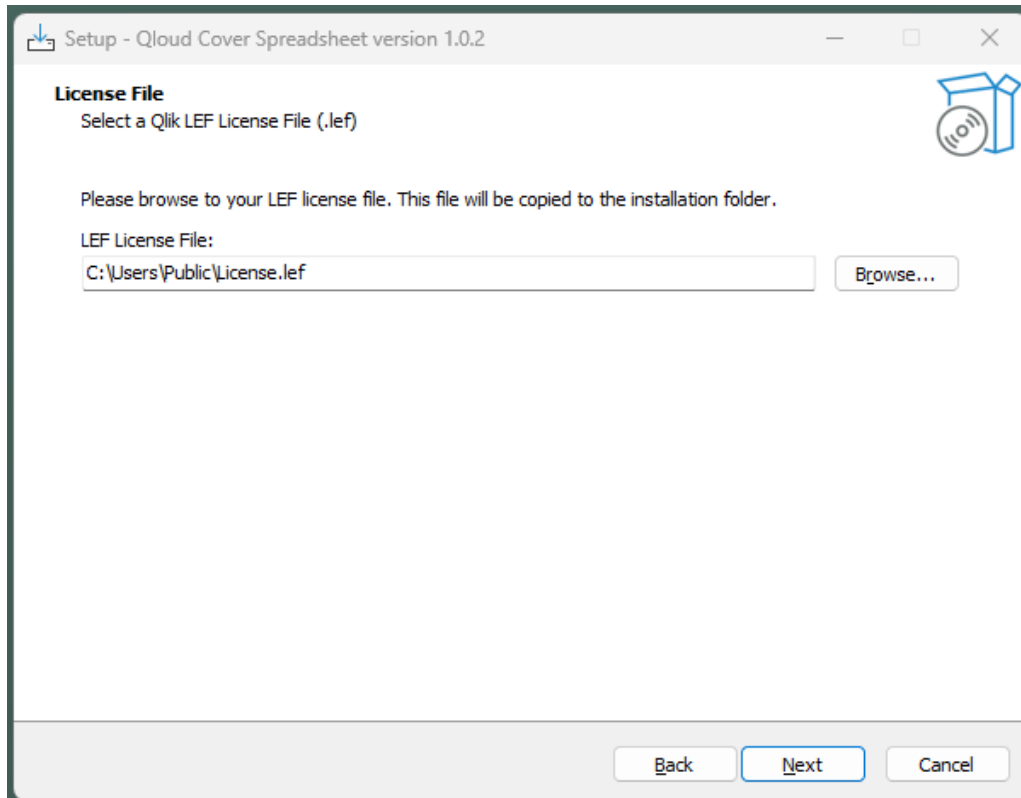
.NET Framework

If the server does not already have the required DOTNET framework, it will install automatically



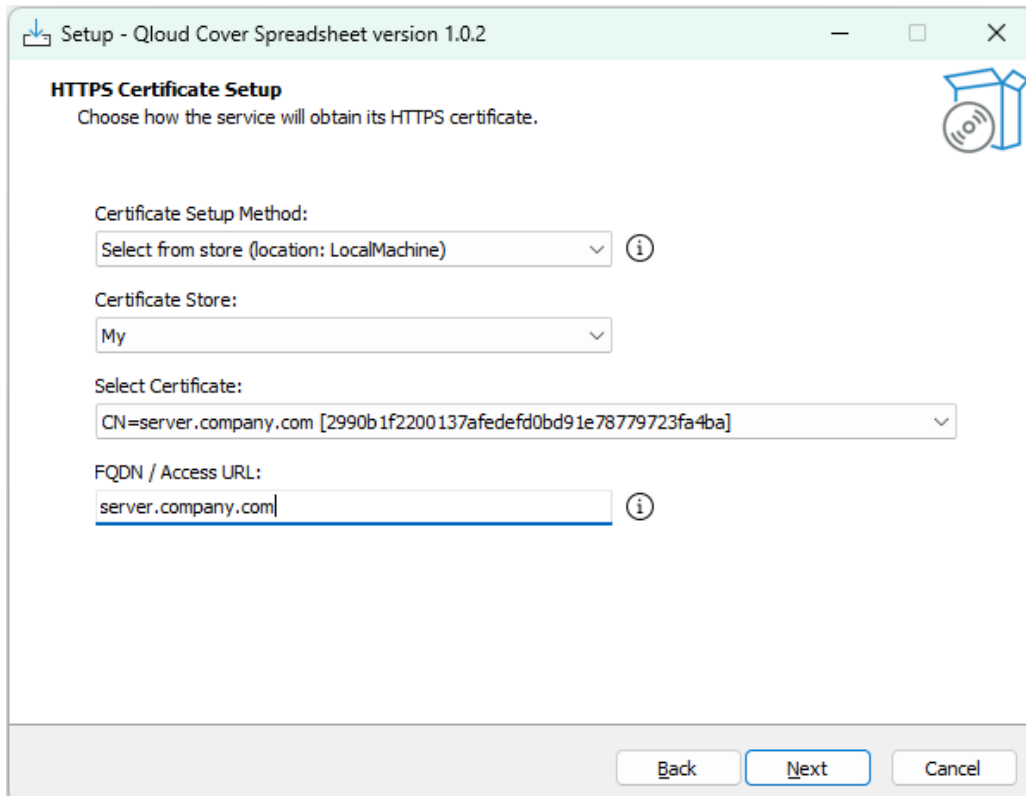
License

Locate your supplied license file



HTTPS Certificate Configuration

Select a valid certificate for the server



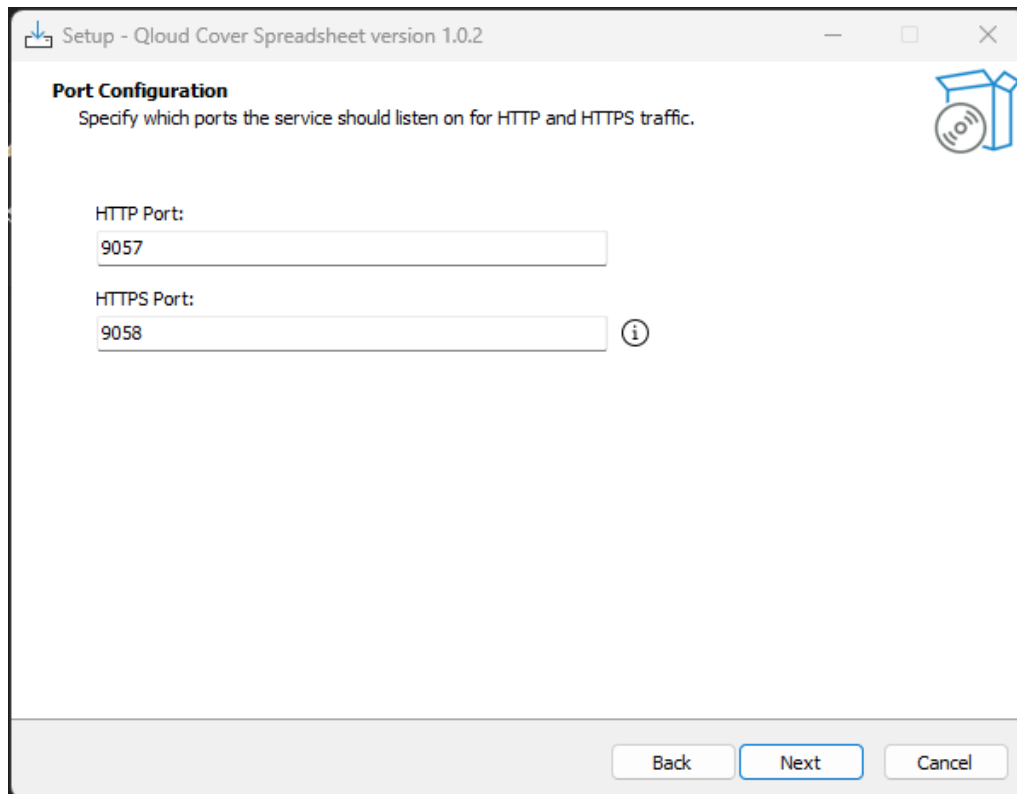
1. **Certificate Setup Method:**
 - a. When serving to users: 'Select from store (location: xxxx)' (**RECOMMENDED**)
 - b. For testing locally on the server: 'Generate self-signed certificate'
2. **Certificate Store:** Choose the Certificate Store of your valid certificate
3. **Select Certificate:** Choose your valid certificate
 - a. Common Name (CN) or Subject Alternative Name (SAN) must match the FQDN / Access URL
4. **FQDN / Access URL**

This should be one of the following. Whichever the users will use to contact the server.

 - a. FQDN (Fully Qualified Domain Name): Full name of the server on the domain
 - b. Access URL: The DNS address of the server

Port Configuration

Specify which ports the service should listen on for HTTP and HTTPS traffic.

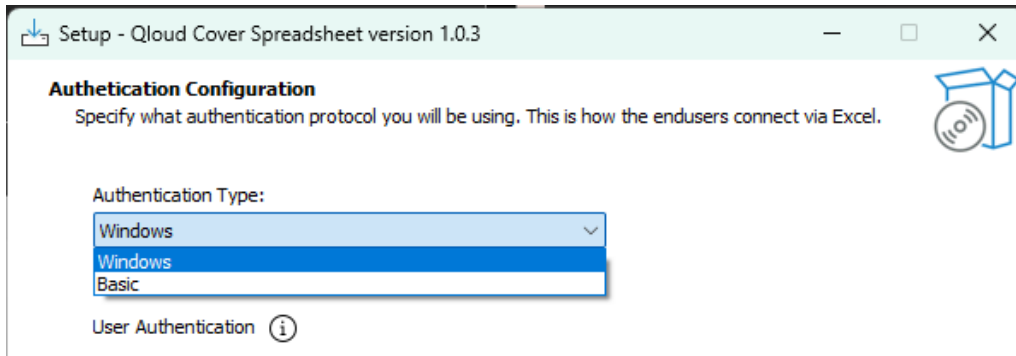


1. **HTTP port:** default 9057
2. **HTTPS port:** default 9058

These ports have been chosen to try not to use ports occupied by other services. You could choose HTTP: 80, HTTPS: 443 if the server is only dedicated to hosting Qloud Cover Spreadsheet.

Authentication Configuration

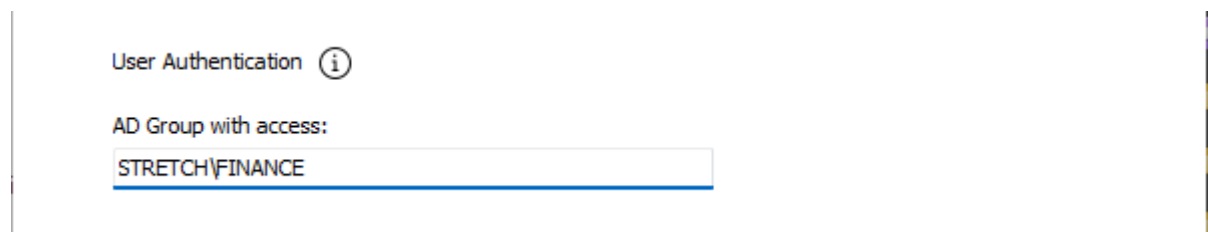
Specify what authentication protocol you will be using. This is how the endusers connect via Excel.



1. Authentication Type:

- a. **Windows (NTLM):** This option will require the server to be on the same domain as the user base.
- b. **Basic:** Authentication via username and password

Windows Authentication



1. AD Group with access: (format: DOMAIN\AD-GROUP)

Specify the name of an Active Directory (AD) group that should be granted access to the service. Example above has DOMAIN: STRECH and AD GROUP: FINANCE

End users who are members of this group will be able to connect to Qloud Cover Spreadsheet via Excel

To allow all domain users, you may use the built-in group "Everyone"

Basic authentication

User Authentication ⓘ

Create username:

Create password:

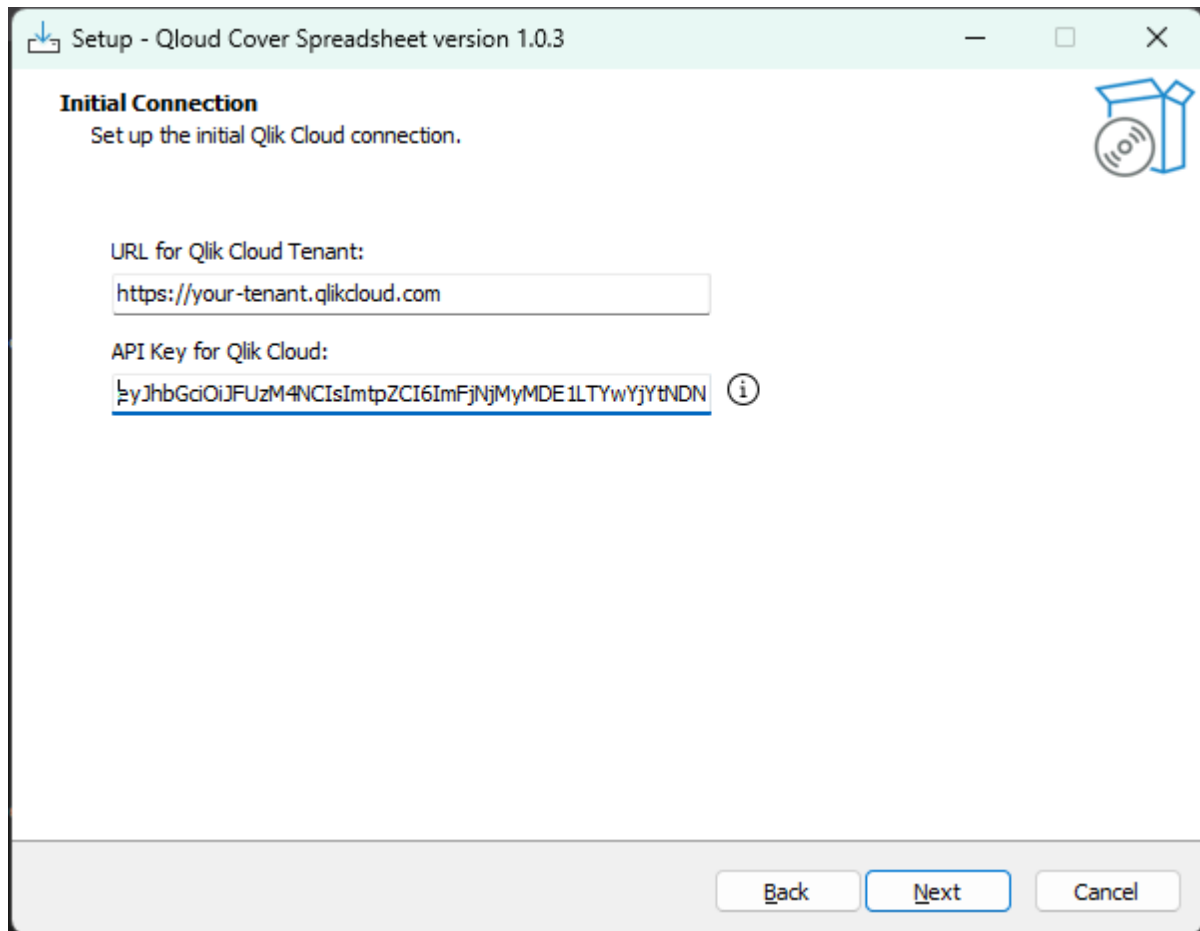
2. Create username & password:

Define a username and password for an internal service user.

End users will use these credentials to connect to Qloud Cover Spreadsheet via Excel using BASIC authentication.

Make sure to choose secure credentials!

Initial Connection



3. **URL for Qlik Cloud Tenant:** the URL for your Qlik tenant
4. **API Key:** API key from service user on Qlik Cloud. This service account should have access to the same data that you want your end users to access ([guide](#))

Optional settings

Advanced settings for the communication between Qloud Cover Spreadsheet and sQlik.
(OPTIONAL. No changes are required)

Setup - Qloud Cover Spreadsheet version 1.0.2

Deploy Options
 Configure data handling and Excel display settings.

Advanced settings

Include Null Values (include nulls on Qlik data fetch)

Unique Key Separator:

Qlik Dimensions Label (shown in Excel pane):

Qlik Measures Label (shown in Excel pane):

Default Sort Order:

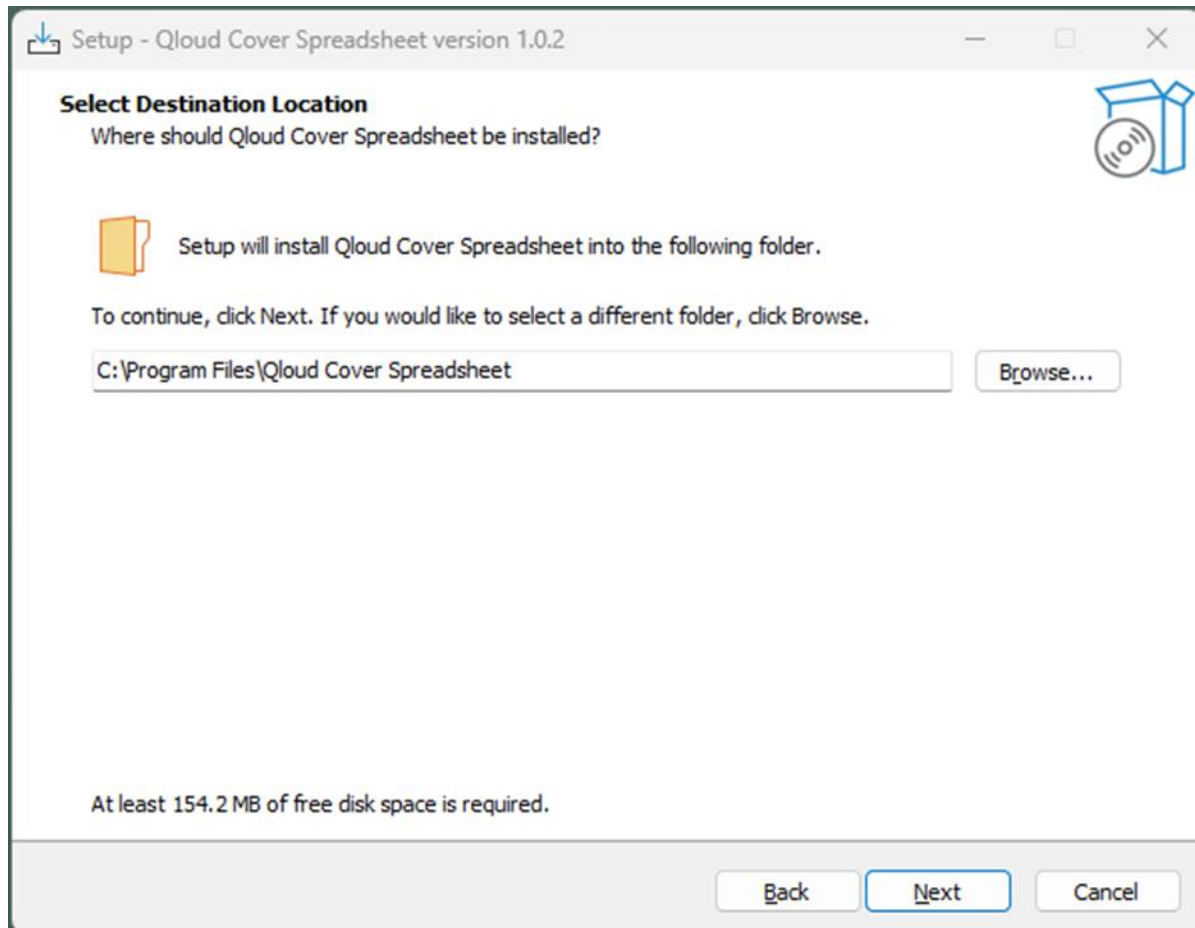
Back Next Cancel

5. **IncludeNullValues:** true or false, controls whether null values from Qlik Data Model are included.
6. **UniqueKeySeparator:** Specify the separator used to create unique keys for data.
7. **QlikDimensionLabel:** Specify the labels for the Qlik Dimension in the Excel Pane
8. **QlikMeasureLabel:** Specify the Qlik Measure in the Excel Pange
9. **DefaultSortOrder:** Specify the Sort order for data, can be either ASC or DESC

Installation Destination

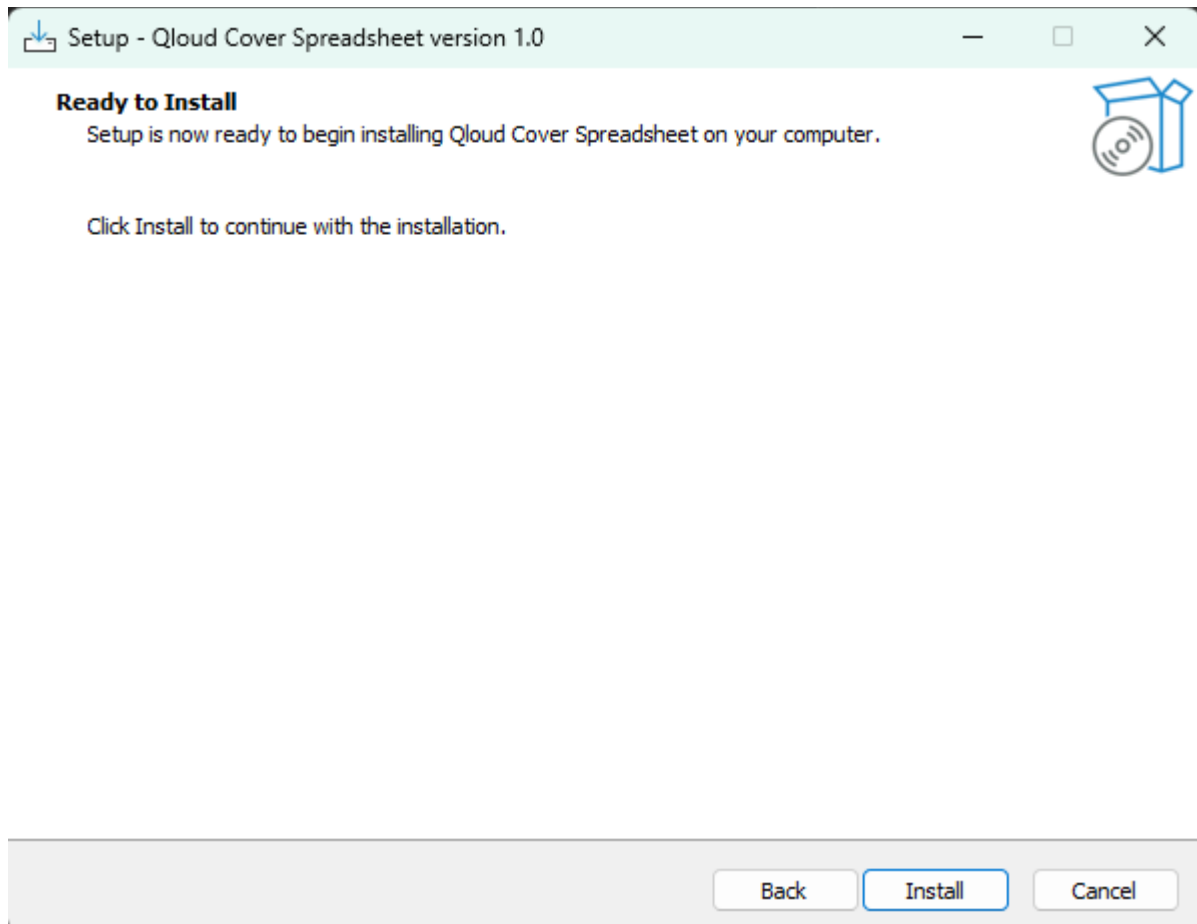
Keep as default if you do not have any hard requirements for specific installation path.

Default: C:\Program Files\Qloud Cover Spreadsheet



Installation

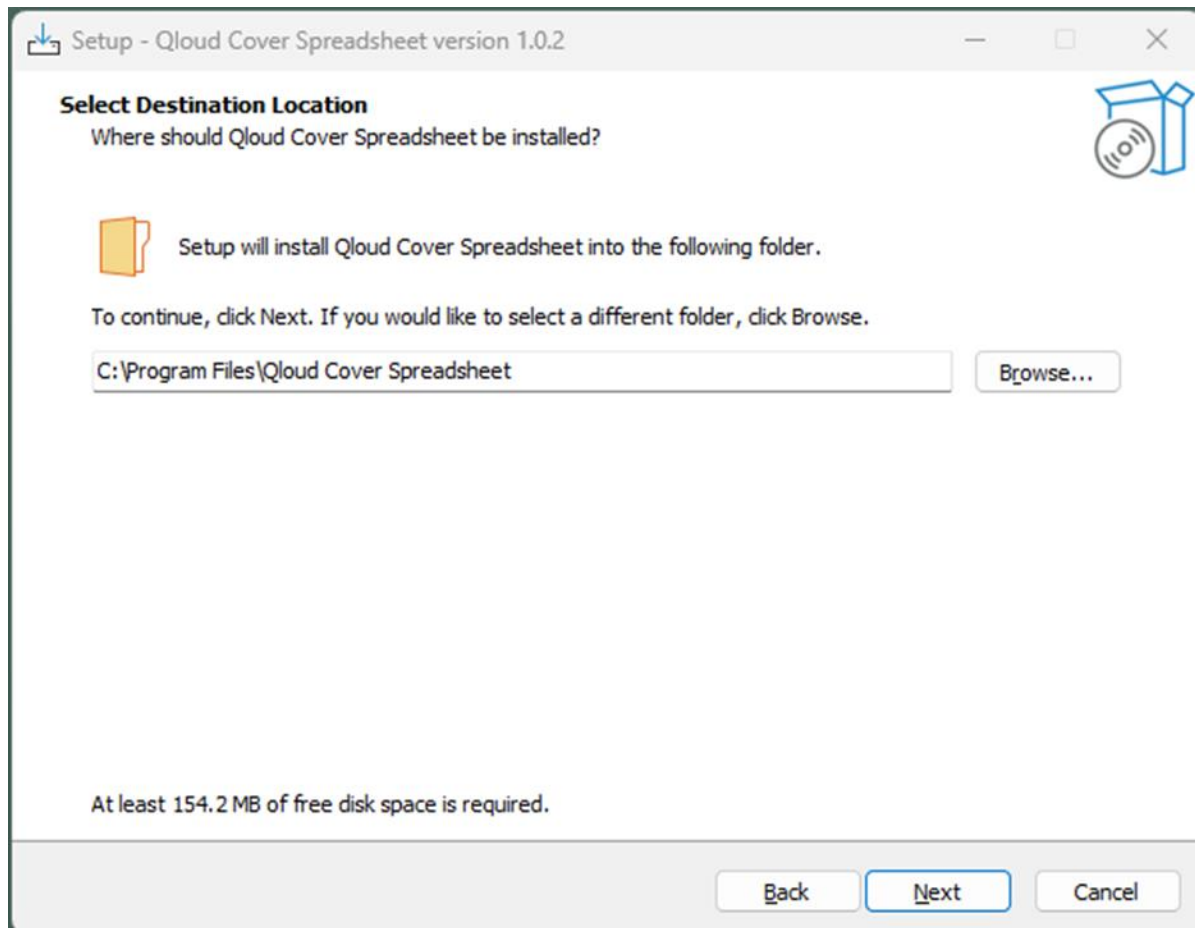
Continue with the installation process.



Installation Destination

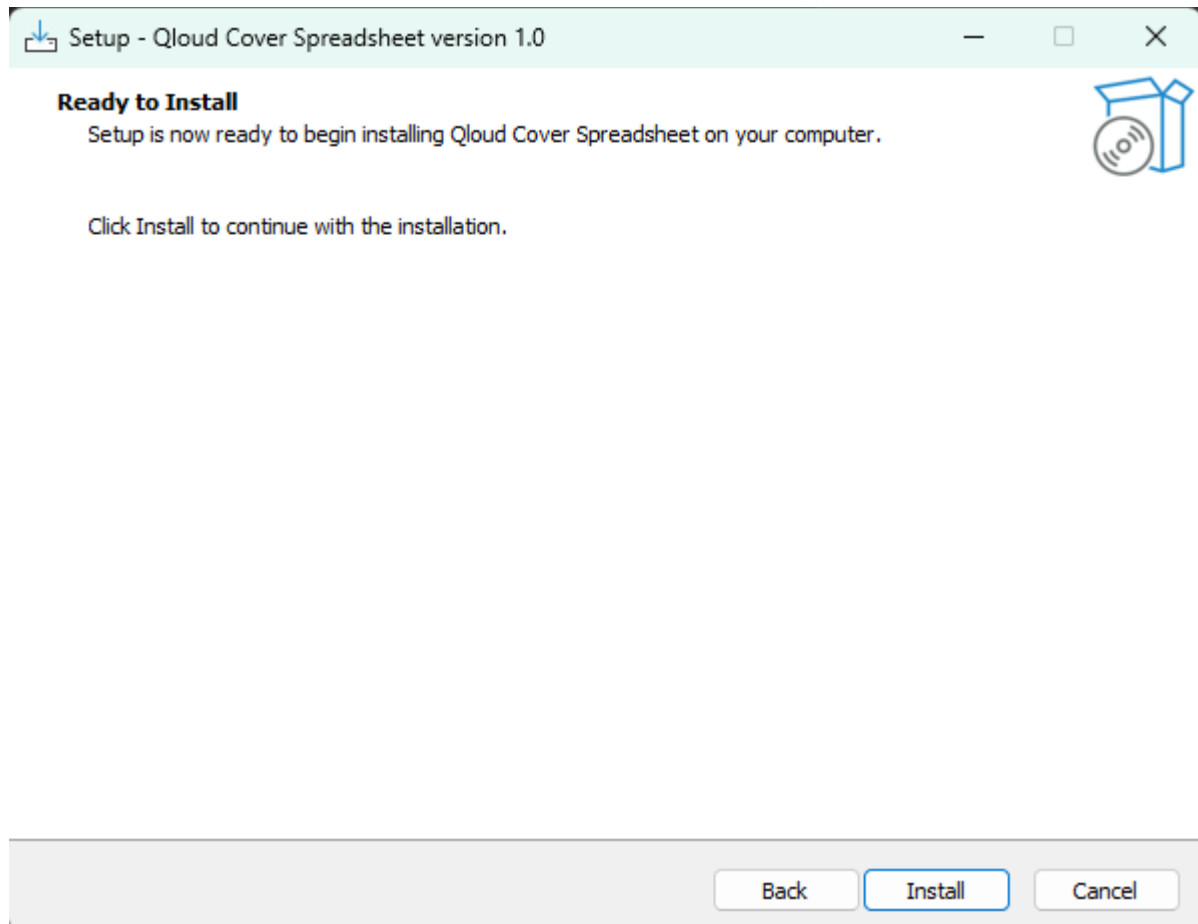
Keep as default if you do not have any hard requirements for specific installation path.

Default: C:\Program Files\Qloud Cover Spreadsheet



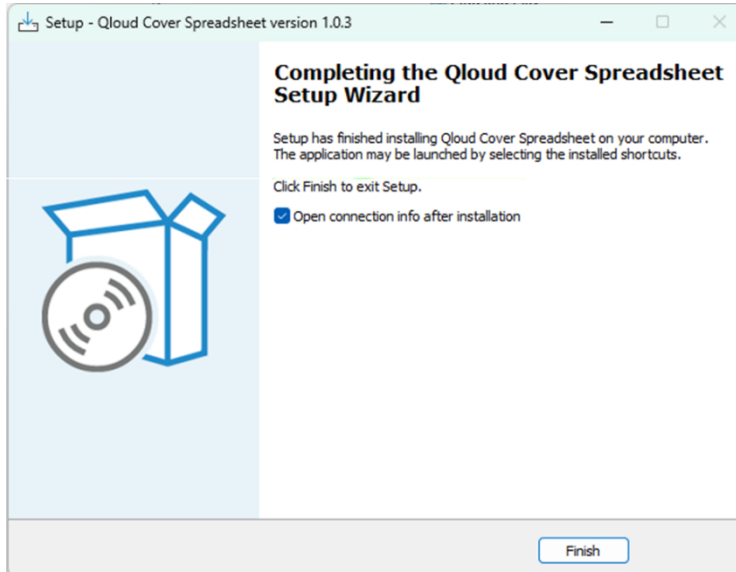
Installation

Continue with the installation process.



Connection Info Site

This is the link users will connect to from Excel.

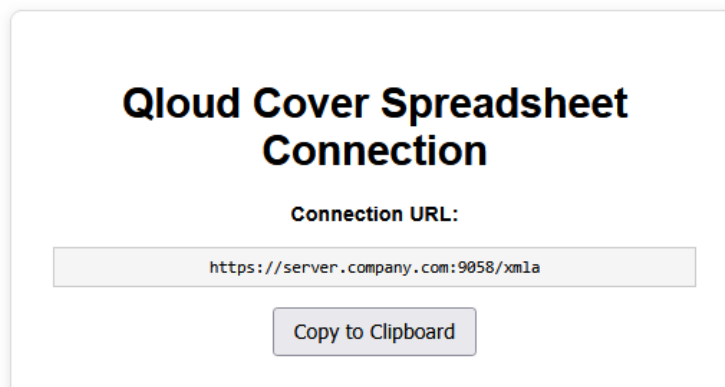
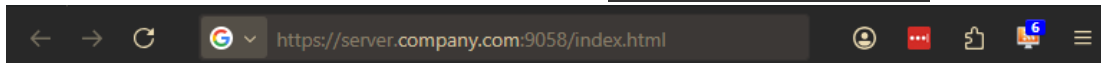


Leaving the Checkbox on will open the Connection Info Site.

Site

The URL is of format `https://{SERVER DNS/FQDN}:9058/index.html`

You will also use this to test the connection in [Step 4 Verify Connection](#).



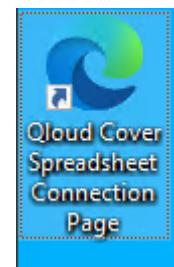
Login

If you're prompted for a login, use the following depending on what Authentication Type has been setup:

- Basic Authentication
 - Use the credentials you gave in [Authentication Configuration](#)
- Windows Authentication
 - Use credentials for a user that has the AD Group you specified in [Authentication Configuration](#)

Bookmark

The link is also saved as a shortcut on the desktop on the server:



Step 2: Firewall Configuration

The following settings must be set on the server for ports and firewalls.

1. On the server go to Windows Defender Firewall with Advanced Security
 - a. Create a new Inbound Rule
 - i. **Rule Type:** Choose *Port*
 - ii. **Protocol and Ports:** Choose *TCP*, Specify the Port the Service is running on (default: 9058)
 - iii. **Action:** Allow the connection
 - iv. **Profile:** Select all by default, choose either if desired
 - v. **Name:** Give appropriate name
 - b. Go to where the Virtual Machine is hosted. This uses Azure for reference. Go to Network Settings and create new Inbound port rule
 - i. **Source Ip Adresses:** Choose the desired IP addresses that should be able to connect to this service.
 - ii. **Source port ranges:** *
 - iii. **Destination:** Any
 - iv. **Service:** Custom
 - v. **Destination port ranges:** Choose the port matching the HTTPS for the service. (default: 9058)
 - vi. **Protocol:** TCP
 - vii. **Action:** Allow
 - viii. **Priority:** Choose appropriate or default
 - ix. **Give useful names and description**

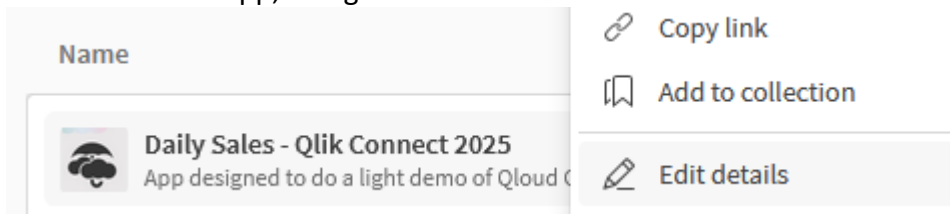
Step 3: Expose Apps and Master Items

To ensure the end users are only exposed to selected and governed data, **you must have the following set up in Qlik Cloud to expose Apps and their data:**

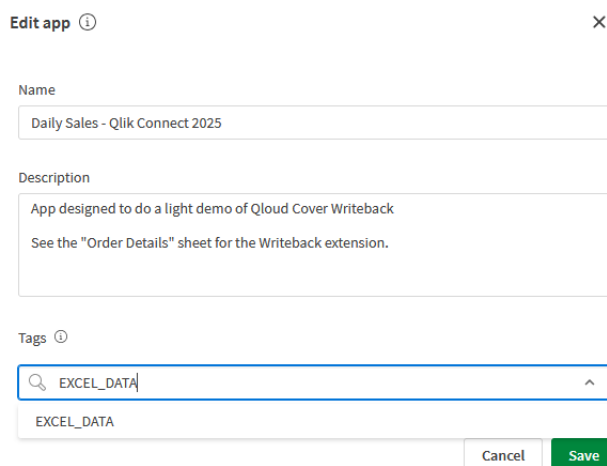
- 3.1 Tagging relevant apps
- 3.2 Have Master Items defined in the Qlik App

3.1 Tagging Apps

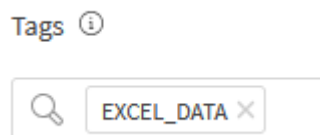
1. Find the desired app, and go in to 'Edit details':



2. Add the tag 'EXCEL_DATA' (Enter the name, and press the dropdown)



3. Verify that the tag is added, and press 'Save':



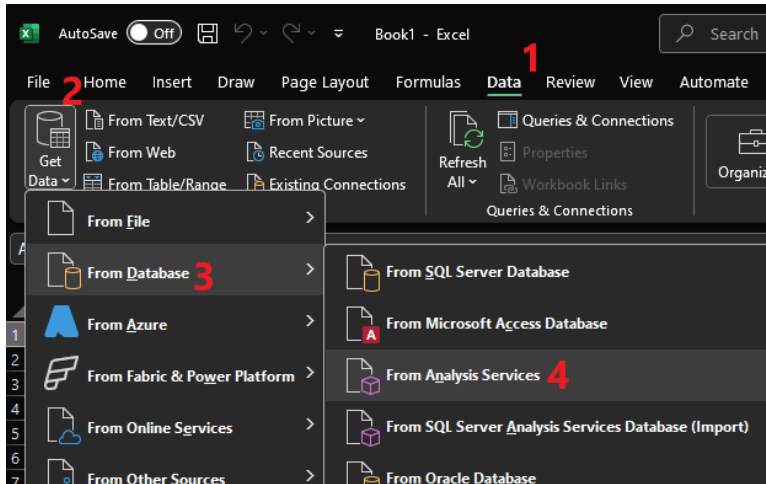
3.2 Master Items

If Your organization does not already use Master Items, please see the following articles for [Master Dimensions](#) and [Master Measures](#). These will be the Dimensions and Measure available in Excel through Qcloud Cover Spreadsheet.

Step 4: Verify connection

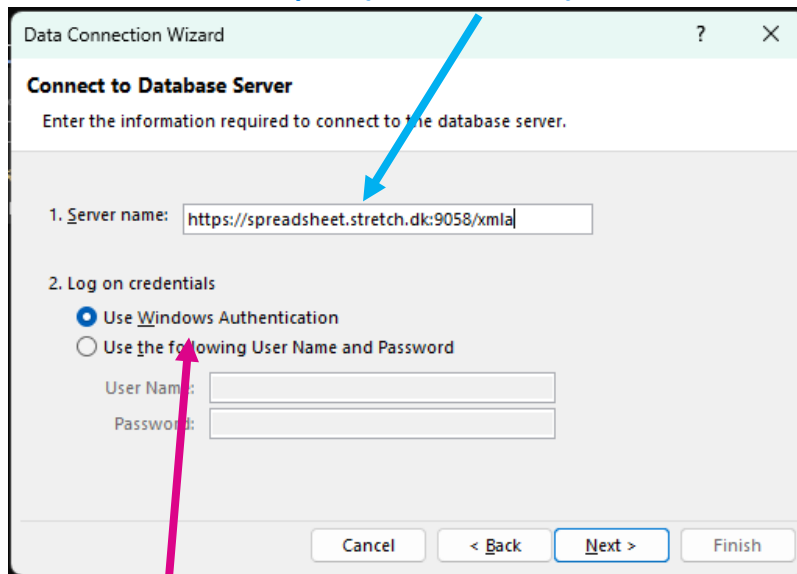
Verify that you can access Qloud Cover Spreadsheet via Excel:

1. Navigate to **Data** → **Get Data** → **From Databases** → **From Analysis Service**



2. Get link from the [Connection Info Site](#)
 - a. Link can be found on servers desktop: 'Qloud Cover Spreadsheet Connection Site'

Link is of format: **'https://{SERVER NAME}:9058/xmla'**



Enjoy 😊

Use **Windows or BASIC authentication**, based on what You've set up. If Basic, use credentials entered in the 'Initial Connection' section.



Troubleshooting

If you are having issues connecting to the service, these could be possible causes:

- Host / Certificate specific ([HTTPS Certificate Configuration](#))
 - Make sure the DNS / FQDN you gave in the is the correct DNS / FQDN of the server.
 - Make sure your Certificate is valid and matches the servers DNS / FQDN
- Firewall misconfigured.
Refer to [Security Settings section](#)
- Validate that the Qloud Cover Spreadsheet service is running on the server

Name	Description	Status	Startup Type	Log On As
Qloud Cover Spreadsheet	Qloud Cover Spreadsheet ...	Running	Automatic (...)	Local System

- Make sure the desired Authentication Type was chosen ([Authentication Configuration Section](#))
Path: Program Files/Qloud Cover Spreadsheet/Config/serviceConfig.json
Variable: ApplicationAuthenticationType

```
"ApplicationAuthenticationType": "WindowsAuthentication",
```

Possible values:

- "WindowsAuthentication"
 - "BasicAuthentications"
- Make sure that Apps and Master Items are setup properly (see: ['Expose Apps and Master Items'](#))
 - Desired Apps are tagged with 'EXCEL_DATA',
 - These Apps have Master Dimensions and Master Measures defined

If issues still persist, please contact servicedesk@stretch.dk !